

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended)      A tunable electromagnetic delay line, comprising:

        a first conductor with a first main direction of extension, said first conductor being arranged on top of a non-conducting substrate,

        a layer of a ferroelectric material with first and second main surfaces, said layer separates the first conductor and the substrate, and

        a second conductor with a second main direction of extension, with the first and second main directions of extensions essentially coinciding with each other, and with the first and second conductors being ~~each other's mirror image~~ images with respect to an imaginary line in the center of the delay line along said first and second main directions of extension, said tuning being accomplished by applying a voltage between said first and second conductors,

        wherein the first conductor alternatingly comprises sections with a second direction of extension and sections with a third direction of extension, and with the second conductor alternatingly comprising sections with a fourth direction of extension and sections with a fifth direction of extension, where said second and fourth directions of extensions essentially coincide with each other, and said third and fifth directions of extensions essentially coincide with each other.

2. Canceled.

3. (Currently Amended) The tunable delay line of claim 1, additionally comprising a third conductor arranged between the substrate and the layer of ferroelectric material, said third conductor being arranged so that ~~it~~ the third conductor extends from a point below the first conductor to a point below the second conductor, in a direction of extension which is essentially perpendicular to said first and second directions of extension.

4. (Currently Amended) A tunable electromagnetic delay line, comprising:

- a first conductor with a first main direction of extension, said first conductor being arranged on top of a non-conducting substrate,
- a layer of a ferroelectric material with first and second main surfaces, said layer separates the first conductor and the substrate, and
- a second conductor with a second main direction of extension, with the first and second main directions of extensions essentially coinciding with each other, and with the first and second conductors being ~~each other's mirror image~~ image images with respect to an imaginary line in the center of the delay line along said first and second main directions of extension, said tuning being accomplished by applying a voltage between said first and second conductors,

wherein the first conductor alternately comprises sections with a second direction of extension and sections with a third direction of extension, and with the second conductor alternately comprising sections with a fourth direction of extension and sections with a fifth direction of extension, where said second and fourth directions of extensions essentially coincide with each other, and said third and fifth directions of extensions essentially coincide with each other, and

wherein the second conductor is arranged between the ferroelectric layer and the substrate, so that the first and second conductors are on opposite sides with respect to the main surfaces of the ferroelectric layer 1.

5. (Previously Presented) The tunable delay line of claim 4, in which the second direction of the first conductor of extension is at an angle  $\alpha$  with respect to the first main direction of extension and the third direction of the first conductor extension is at an angle  $\beta$  with respect to the first main direction of extension,  $\alpha$  being in the interval between zero and ninety degrees, and  $\beta$  being in the interval between ninety and one hundred eighty degrees.

6. (Previously Presented) The tunable delay line of claim 4, in which the first and second conductors are arranged in the delay line so that sections of the first conductor in the second direction of extension cross sections of the second conductor in the fourth direction of extension, and so that sections of the first conductor in the third direction of extension cross sections of the second conductor in the fifth direction of extension.

7. (Currently Amended) The tunable delay line of claim 4, in which the first and second conductors are arranged in the delay line so that ~~points~~ locations where sections of the first conductor in the second and third directions of extension meet overlap ~~points~~ locations in the second conductor where sections of the second conductor in the third and fourth direction of extension meet.